

Specification Amendments

Replace the paragraph between lines 29-30 on page 3 with the following:

--FIG. 1 The Figure of the drawing presents a cross section of a surface including protrusions extending therefrom as well as means for gas replenishment.--

Replace the paragraph between page 3, lines 32 and page 4, line 9 with the following:

--The present invention is depicted in [[FIG. 1]] the Figure of the drawing which shows a cross section of a surface including a plurality of protrusions anchoring a plurality of bubbles to the surface and replenishment ducts with gas feeding from the rear side of the surface. The non-smooth portion may include extensions shaped and angled so as to catch and maintain or anchor bubbles in a preselected position according to the requirements and design details. Practical considerations for the protrusions and openings include the type of wall material, type of liquid, gas feed possibilities, total amount of materials needed and boundary conditions of operating states as e.g. temperatures and cooling

requirements. The manufacture of the extensions or other surface structures discussed below may be combined with multilayer coatings of like or different material to the surface being worked. Likewise, special patterns including well specified single surface irregularities and also structures distributed in random may form part of the present inventive structure. Surface structure further depends upon design and application. --

Replace the paragraph between lines 11-26 on page 4 with the following:

--As depicted in [[FIG. 1]] the Figure of the drawing, a wall 10 with a surface 12 is facing a liquid 14. The wall in total might be inclined from the vertical by an angle 34 so as to enhance the capturing of gas bubbles from the liquid. The surface is structured in a special way with some types of protrusions 16 arranged so as to catch gas bubbles 18 moving with the flow of the liquid or rising within the liquid due to their buoyancy. The recessions 20 of the surface thus defined by the protrusions 16 provide the preferred positions and holes for gas bubbles. In case active gas replenishment is incorporated, gas is fed through thin ducts 22 to the rear wall of such gas pockets 24. In addition or in place of the extensions, imperfections and irregularities in or on the wall

10 may be introduced. Such may cover all or part of the wall depending upon application. In another embodiment with gas replenishment the surface might be essentially flat with distributed gas bleeding holes 32. Gas bleeding holes 32 are openings from which gas escapes in a steady flow or in a controlled and regulated manner. According to the specific requirements of the exact locations, geometrical implementation, size and diameter of optimum bleeding holes might differ in detail. As applied to the present application, the escape of gas bubbles may be controlled by application by means known in the art.--